



## **YEARLY STATUS REPORT - 2021-2022**

### **Part A**

#### **Data of the Institution**

<b>1.Name of the Institution</b>	
SHIKSHA MANDAL'S JANKIDEVI BAJAJ COLLEGE OF SCIENCE	
• Name of the Head of the institution	Dr. Om Mahodaya
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	07152230515
• Alternate phone No.	
• Mobile No. (Principal)	9890845825
• Registered e-mail ID (Principal)	jbsciencewardha@yahoo.co.in
• Address	Bajaj College of Science, Civil Lines, Jammalal Bajaj Marg, Wardha
• City/Town	Wardha
• State/UT	Maharashtra
• Pin Code	442001
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	04/04/2017
• Type of Institution	Co-education
• Location	Urban

• Financial Status	UGC 2f and 12(B)				
• Name of the IQAC Co-ordinator/Director	Dr. M. R. Chandrakar				
• Phone No.					
• Mobile No:	9552322775				
• IQAC e-mail ID	iqac.bcs@gmail.com				
3.Website address (Web link of the AQAR (Previous Academic Year)	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/AQAR-2020-21-Accepted.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/AQAR-2020-21-Accepted.pdf</a>				
4.Was the Academic Calendar prepared for that year?	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/01/Academic-Calander-2021-22.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/01/Academic-Calander-2021-22.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 3	Nil	3.21	2013	01/03/2013	31/12/2022
6.Date of Establishment of IQAC			06/06/2000		
7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
Jankidevi Bajaj College of Science, Wardha	Autonomous College Grant	UGC	01/01/2020	90000	
8.Provide details regarding the composition of the IQAC:					

<ul style="list-style-type: none"> <li>• Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	<b>4</b>
<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
<p>Ensured regular classes and examinations through online/offline mode as per the situation. Due to this irrespective of uncertainty caused by lockdown the academic session continued successfully. New certificate courses and PG diploma courses have been introduced. Publications and collaborations boosted up. Participated in RUSA. Students participated in various curricular, cocurricular activities online as well as offline mode.</p>	
<b>12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>	

Plan of Action	Achievements/Outcomes
To ensure the regular conduction of classes in online, offline or blended mode as per the demand of the situation	Though uncertainty regarding classes in offline mode was there due to intermediate lockdown; the classes were regularly conducted.
To introduce new certificate and PG diploma courses	PG diploma in clinical research and two new certificate courses have been started industrial waste water management and vermicompost technology.
To recognize microbiology and zoology research labs	Application submitted to RTM Nagpur University, Nagpur.
To enhance the number of publications and collaborations	Publications in UGC CARE listed journals and collaboration increased.
To provide students a common platform for organizing various activities that will help in promoting research attitude	RICH club has been formed, through this platform students are organizing various curricular and cocurricular activities
To guide students for competitive examinations.	Chemistry department organized guidance for IIT JAM and NET SET.
To boost students to participate in curricular cocurricular and extra curricular activities.	Students participated in various curricular, cocurricular activities online as well as offline mode.
To participate in RUSA.	Received fund of RUSA; which has been utilized as per the directions of RUSA.
To participate in NIRF.	Participated in NIRF.
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name of the statutory body	Date of meeting(s)
CDC	05/05/2022

<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
<ul style="list-style-type: none"> <li>Year</li> </ul>	

Year	Date of Submission
2020-21	26/02/2022

<b>15. Multidisciplinary / interdisciplinary</b>
<ul style="list-style-type: none"> <li>Preparation of a blue print for curricular reforms in a disciplined manner, focusing on multidisciplinary and holistic education.</li> <li>University level discussion on curricular reforms as per NEP 2020</li> <li>Initiating the curricular revision with choices, in the backdrop of student's feedback.</li> <li>Revision of curriculum in tune with global citizenship education.</li> <li>Introducing result based curriculum focusing on key features of NEP</li> <li>Starting general Elective courses of multidisciplinary nature.</li> <li>Incorporation of value based and skill based courses in curriculum.</li> <li>Integration of community based courses and projects in vocational stream.</li> <li>Starting a research centre to act as a connecting link between university and industries in real sense.</li> <li>An establishment of RICH club and Research Promotion cell to promote multidisciplinary research culture.</li> <li>Community based project initiation.</li> <li>Co-curricula's and Extra-Curricular activities integration with curricula's.</li> </ul>

<b>16. Academic bank of credits (ABC):</b>
<ul style="list-style-type: none"> <li>Establishment and operationlization of Academic Bank of Credits Scheme as per Higher Education Regulation after notification.</li> <li>UGC regulations on Academic Bank of Credits implementation in</li> </ul>

a stepwise manner.

#### 17.Skill development:

- Recognizing and enhancing skills for better opportunities of employment.
- Introduction of more programs in vocational stream.
- Establishing several clubs or societies for skill development of students.
- Syllabi revision to integrate multidisciplinary skill component.
- Identification of professional skills useful for professional life.
- Improvement in employability of students locally.
- Improvement in employability in cutting-edge areas.
- Courses on value based education.
- Integration of values and skills in curriculum.
- A Curriculum enrooted in constitutional values, ethics and respect for Indian culture art and heritage.

#### 18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

- Strategies of education to make education more experiential and holistic.
- Incorporation of sports in education for versatile development, physical and psychological soundness.
- To produce all rounder's with 21st century skills with good moral character.
- Content of curriculum reduction to its core essentials, to make room for critical thinking, inquiry based, discussion based and analysis based learning.
- To make teachers and parents sensitive for the holistic development of the students in both academic and non-academic.

#### 19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

Outcome-based education (OBE) at our college is education that focuses on a clearly articulated understanding of what B.Sc., and M.Sc. students are supposed to know and be able to do, that is, what skills and knowledge they must have when they leave the College. The traditional educational system relies on instructors' inputs and assumes that learning has occurred. The focus of OBE is on "what the students are capable of doing." There is clarity about what must be accomplished, and that accomplishment is predetermined. OBE goes beyond the usual structured tasks. It requires students to actively participate in the learning process and exhibit their abilities through progressively difficult activities and higher order of

thinking. With this frame work of OBE, our college would develop two major steps in implementing OBE. These two steps are as follows: 1) Establish programme outcomes (POs), programme specific outcomes and course outcomes (COs), 2) Mapping process of POs and COs. Our college has formulated POs, PSOs and CO2 for B.Sc. degree, certificate courses, M.Sc. degree and Postgraduate Diploma. In the next academic year, our college has a proposed plan to map POs, COs by addressing COs on question papers and other formative and non-formative assessments of students.

## 20.Distance education/online education:

- Training the students to self-explore by visiting to the online freely available education materials like spoken tutorials from IIT's and SWAYAM.
- College is running Courses of STIIT from the last three years.
- With help of technology-based education nurturing young minds thought process for the new improved world.
- Learning through advanced educational software and hardware.
- Use of technology for improving teaching, learning and evaluation process, supporting teacher in mental and professional development, easy access to educational aid, and streamlining educational planning, management, and administration including processes related to admissions, attendance, assessments.
- Improving the quality of education by blended teaching mode. Improving traditional teaching methods by blending it with the online in undergraduate programs.
- To promote the teachers to avail the full benefits of free online platforms like DIKSHA/SWAYAM for online training and to validate these programs for CAS promotions.
- Encouraging students to acquire extra credit with the regular credits that can help them to learn new things and be ready for the need of new markets.
- Improving the quality of ICT centre already available in the college by giving adequate technical support to speed up learning process.

## Extended Profile

### 1.Programme

1.1

17

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

**2.Student**

2.1 **1024**

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 **207**

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 **1010**

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

**3.Academic**

3.1 **187**

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2 **54**

Number of full-time teachers during the year:



## Extended Profile

### 1.Programme

1.1 17

Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2.Student

2.1 1024

Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 207

Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 1010

Number of students who appeared for the examinations conducted by the institution during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 3.Academic

3.1 187

Number of courses in all programmes during the year:

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

3.2	54
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	95
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	125
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	22
Total number of Classrooms and Seminar halls	
4.3	167
Total number of computers on campus for academic purposes	
4.4	67.41
Total expenditure, excluding salary, during the year (INR in Lakhs):	
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.	
<p>The institution has carefully adopted measures while formulating the syllabus of undergraduate and postgraduate Programmes, and Certificate courses for students. The prescribed syllabus aims at imbibing technical, practical and theoretical knowledge to students, for securing employment in laboratories of government and private hospitals, software companies, Private companies, of local and urban areas, and even self employment.</p>	

The UG and PG programmes are comprehensive interdisciplinary academic programmes that make students capable of handling scientific instruments of physical and biological sciences, and help them to understand the general principles of basic biological and physical sciences.

The outcomes of various combinations of courses are;

- Students develop problem-solving and analytical skills.
- Students acquire the skill to use library sources for the academic upbringing

UG and PG programme pass out students have wider career opportunities windows in science

The syllabus is regularly reviewed and changes are made by concerning experts during biannual board of studies and general council meetings during the academic year.

In addition to academics, attention is also paid for holistic development of students by enrolling them in Meditation courses, gender equality courses, self employment courses, laboratory technique courses, and online courses run by the institution in collaboration with National and Local bodies.

File Description: Link for additional information

<http://jbsw.shikshamandal.org/wp-content/uploads/2020/12/POsPSOsCOs-BSc-BCS.pdf>

<http://jbsw.shikshamandal.org/wp-content/uploads/2020/12/POsPSO-M.Sc.-BCS.pdf>

<http://jbsw.shikshamandal.org/wp-content/uploads/2020/12/POsPSOsCOs-CertificateCourses-BCS.pdf>

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/POs-PSOs-and-COs-MSc-prgromme_revision-wef-Aug2022.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/POs-PSOs-and-COs-MSc-prgromme_revision-wef-Aug2022.pdf</a>

**1.1.2 - Number of Programmes where syllabus revision was carried out during the year****2**

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year****0**

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	No File Uploaded
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

**1.2 - Academic Flexibility****1.2.1 - Number of new courses introduced across all programmes offered during the year****0**

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

**1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**

5

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

Apart from regular curriculum, We have population education club, heartfullness and relaxation teaching meditation club, Astro club having teaching incharge and students who perform activities for self development and social awareness. The college conducts these extracurricular activities involving students and teachers to address issues related to gender equality, human values.

For environment awareness, we run regular separate course of Environmental Studies for undergraduate students of semester 4.

As per Supreme Court directions passed in 2014-2015, the course of environmental studies is compulsory for Degree Students. This course is conducted during the second year for enrolled UG Students. The course has 8 units with 45 lectures of 45 mins (33 hours) taught during second year.

The aim of teaching Environmental Studies to UG students is to make them aware of importance of Natural resources, Ecosystems, Environment pollution issues, Human population and its impact on resources and environment, Social issues.

Students are given the task of visiting local sites, conduct survey and write a project report. It is a kind of field work that carries 25 marks.

#### Course details

Total Units- 8 (33 hours)

Exam : 100 Marks (MCQ - 50 Marks; Long Questions - 25 Marks; Field Work - 25 Marks)

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

5

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

128

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

103

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is

B. Any 3 of the above

**obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/Curriculum-Feedback-Analysis-Report-2021-22.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/Curriculum-Feedback-Analysis-Report-2021-22.pdf</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/ATR-on-feedback-2021-22_compressed.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/ATR-on-feedback-2021-22_compressed.pdf</a>
Any additional information	<a href="#">View File</a>

## **TEACHING-LEARNING AND EVALUATION**

### **2.1 - Student Enrollment and Profile**

#### **2.1.1 - Enrolment of Students**

##### **2.1.1.1 - Number of students admitted (year-wise) during the year**

**1024**

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Institutional data in prescribed format	<a href="#">View File</a>

**2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)**

244

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

During admission procedure at college campus with help of college admission committee, each student is required to attend a mandatory counselling session and get counselling for two major sections. Students enrolled in various disciplines are classified as slow or advanced learners depending on their +2 grades and the unit test examination. The individual class mentors provide valuable assistance in classifying students with reports based on observation and class assessments. In addition, the variety of assessment components, such as Class Assignments, Seminars, Viva-Voce Examinations, and Attendance, enables accurate assessment of students' learning levels.

### Slow learners:

Slow learners are those who don't do well overall and have a low percentage of good grades in 12th grade. The only problem is that they learn new ideas more slowly. They are also found out through different assignments, unit tests, and the final exam at the semester-end.

### Advanced learners:

Fast/Advanced learners complete routine assignments and attend student seminars on current issues to prepare them for placement. They take part in competitions like debates, problem-solving activities and quizzes, all of which are encouraged. The desire to participate in extracurricular activities, exhibits, and cultural competitions drives talented kids. The college celebrates Annual Day as a way to recognise and highly value the students' academic achievements.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
20/01/2022	1024	40

File Description	Documents
Upload any additional information	<a href="#">View File</a>

### 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

Bajaj College of Science provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behavior in the correct manner. All departments conduct programs which stimulate the creative ability of students and provide them a platform to nurture their problem-solving skills and ensure participative learning. During post-covid pandemic year, students are motivated to participate in inter college as well as national level competitions.

1. **Experiential Learning:** Each department conducts programs through RICH club (a club developed by BSc and MSc students of Bajaj College of Science) to support students in their experiential learning. The institution imparts the following experiential learning practices to enhance creativity and cognitive levels of the students -
  1. Laboratory Sessions are conducted.
  2. Lecture series.

2. **Participatory Learning:** During post-covid year, students participate in various activities such as seminar, group discussion, projects, and the skill based add on courses. Students are encouraged to participate in project based activities on every Saturday specifically by 2nd and third year BSc students where they can use their specialized technical or management skills.

3. Problem-solving methods: Departments encourage students to acquire and develop problem-solving skills. For this, college organizes expert online lectures on various topics, motivate students to join MOOCs courses, participate in various inter-college and intra-college competitions such as:

1. Regular Assignments based on problems
2. Regular Quizzes
3. Seminar presentations

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	Nil

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education. The following tools are used by the Institute.

ICT Tools:

1. Projectors- 20 projectors are available in different classrooms/labs

2. Desktop and Laptops- Arranged at Computer Lab and Faculty cabins all over the campus.

3. Printers- They are installed at Labs, HOD Cabins and all prominent places.

4. Photocopier machines - Multifunction printers are available at all prominent places in the institute. There are three Photocopier machines available in campus.

6. Seminar Rooms- Two seminar halls are equipped with all digital facilities.

7. Smart Board- Two smart board is installed in the campus.

8. Auditorium- It is digitally equipped with mike, projector, and cameras

9. Online Classes through Zoom, Google Meet, Google Classroom)

10. MOOC Platform (NPTEL, Coursera, Swayam, Udemy, Edx)

11. Digital Library resources (N-LIST)

#### Use of ICT By Faculty

PowerPoint presentations- Faculties are encouraged to use power-point presentations in their teaching by using LCD's and projectors.

Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.

Video Conferencing- Students are counseled with the help of Zoom / Google meet applications.

Video lecture- Recording of video lectures is made available to students for long term learning and future referencing.

Workshops- Teachers use various ICT tools for conducting workshops on latest methods such as Sigmaplot, Microsoft office, R language.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
Upload any additional information	<a href="#">View File</a>

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

54

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	No File Uploaded

#### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

1. Academic Calendar-Academic Calendar Preparation Committee that plans an academic calendar. It is printed, posted on bulletin boards, and archived in annual report of college. The calendar is made available to students prior to the start of classes and contains the following information:

- First and last day of instruction, schedules of internal and external exams, preparation holidays for final examinations, and vacation periods.
- The academic calendar is strictly adhered to In the event of unanticipated circumstances outside the institution's control, the authorities will make the required changes and post them on notice boards and websites.

#### Teaching Plan:

HODs hold meetings with their respective professors well before the beginning of the semester's course work and assign subjects. A unit-by-unit teaching plan of the course is created to ensure a consistent pace of instruction. Each theory subject's 'Lecture schedule' is prepared by faculty and approved by the department head. The amount of hours in the teaching plan is determined by the course credits and made available to students. In addition, at the beginning of the academic year, HODs produces a calendar of academic activities such as Workshops, Conferences, Visiting Faculty Lectures. The plan includes the following elements

- Objectives and outcomes of the course
- Reading materials
- Assignment and instructional questions
- Model question paper
- Link to the lecture videos

Copies of the documents are kept in both the department. The faculty adheres to the academic plan, and details are recorded in the Attendance and Evaluation Records.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

54

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

27

File Description	Documents
List of number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

492

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

## 2.5 - Evaluation Process and Reforms

### 2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year

24

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

40

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Our Institution has ensured a focus on holistic development of students. During autonomous tenure, the evaluation method has been consciously designed in order to bring an overall congruence in the teaching-learning and evaluation methods.

Reforms in Examination and Evaluation procedure and IT integration:

Reforms are carried out to ensure a transparent examination system. Softwares were used to develop smooth conduct of examination.

#### Reforms

#### Impact

3-4 sets of question papers are maintained for each subject per course

Confidentiality in the question paper selection which has gone through setting, moderation of all sets.

Setting the exam questions from all the units with internal selection and paper moderation

uphold uniformity and syllabi coverage across all units In a certain course, all of the units must be studied by the students. Implement internal choice to improve the course outcomes.

Appointment of a squad of senior faculty members from other reputable institutions and internal faculty to oversee the semester end examinations

Establishment of Spot evaluation center

Strict vigilance for the orderly administration of examinations

Answer booklets are kept private and secure. Results announced within the timeframe specified

Encoding and decoding of answer booklets

Provides confidentiality and unbiased evaluation

Personal verification and revaluation system for those students who apply for revaluation process

Accountability of the evaluation process and improving the transparency in the evaluation

Timely release of the results and the issuance of appropriate certificates for Supplementary examinations if necessary.

Final-year students have more options for finding a job or pursuing further education.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

Bajaj College of Science has understood significance of the UGC's evaluation reform suggestions for India's higher education institutions. The guidelines provide the structures required to implement outcome-based education in India's Educational Institutions. ([https://www.ugc.ac.in/pdfnews/4258605\\_Reportof-the-Committee-on-Evaluation-Reforms.pdf](https://www.ugc.ac.in/pdfnews/4258605_Reportof-the-Committee-on-Evaluation-Reforms.pdf)). Program Objectives, Program Specific Outcomes, and Course Outcomes are clearly articulated, posted on the Bajaj College of Science website, and conveyed to teachers and students for all Institute programmes. These objectives and outcomes clearly specify the Institute's Aims and Objectives in generating well-rounded individuals. These Aims and Objectives have served as the basis for developing the objectives for each programme conceived and developed by the institution. Academic Values, Social Responsibilities, and Moral and Spiritual Values are the three categories used to categorise the POs. Integrating all stakeholders of the systems, the competencies and performance indicators for each of the Program Objectives are also specified, leading to the establishment of all-encompassing course-level competences and performance indicators. In addition, a Programme Assessment Plan covering the various Assessment kinds is created. Program outcomes are developed from programme education objectives and are tailored to each program's particular. During the obligatory Orientation programmes, all admitted students are informed of the program's aims and expected outcomes. Students are also instructed and given with a clear course curriculum, course outcomes, and assessment approach for each subject.

Links for POs, PSOs, COs

BSc.



<http://jbsw.shikshamandal.org/wp-content/uploads/2020/12/POsPSOsCOs-BSc-BCS.pdf>

MSc

[http://jbsw.shikshamandal.org/wp-content/uploads/2020/12/POsPSO-M.Sc\\_-BCS.pdf](http://jbsw.shikshamandal.org/wp-content/uploads/2020/12/POsPSO-M.Sc_-BCS.pdf)

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/POs-PSOs-and-COs-BSc-prgromme-revision-wef-Aug2022.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/POs-PSOs-and-COs-BSc-prgromme-revision-wef-Aug2022.pdf</a>

#### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

Course outcomes indicate the specific information and abilities that are intended to be learned through a particular course. Programme outcomes are a step-up description of what students are expected to know and be able to do following completion of a particular programme. These pertain to the acquired skills, knowledge, and behaviour of students. Programme-specific outcomes are what students of a certain programme should be able to perform upon completion of that programme. Program outcomes and program-specific results are acquired by achieving course objectives. The attainment of POs, PSOs, and COs is measured using formative and summative techniques. Regularly, continuous and exhaustive evaluations are conducted to determine the level of achievement. Each student is required to participate in the group discussions and seminars that are scheduled. In all graduate-level courses, students receive both homework and classroom assignments. Some classes at the undergraduate level also include assignments, which aids in measuring programme-specific attainment results. Some events, such as quiz competitions, are also held in order to assess the students' knowledge and information. Through extracurricular activities, pupils' behavioural outcomes are also evaluated. The students' performance on internal tests is analysed. The outcomes of the final examination are also analysed. After analysis, an improvement strategy is developed. All assessments

are routinely examined. To determine the degrees of achievement of POs, PSOs, and COs, the performance of students on semester exams is analysed. Each department evaluates the performance of students in their respective subject. Also performed is the analysis of postgraduate courses for each department.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	Nil

### 2.6.3 - Pass Percentage of students

#### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

216

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

### 2.7 - Student Satisfaction Survey

#### 2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

<https://jbsw.shikshamandal.org/wp-content/uploads/2022/08/Student-Satisfaction-Survey-BSc-programme-Academic-Year-2021-22-Bajaj-College-of-Science-Wardha.pdf>

### RESEARCH, INNOVATIONS AND EXTENSION

#### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Yes, the institution's research facilities are frequently updated and there is a well-defined policy for Promotion of Research which

is uploaded on the institutional website and implemented.

#### Research Promotion Policy

Bajaj College of Science, Wardha has implemented Research Promotion Policy which aims at creating and nurturing a research culture among teachers/research scholars /UG-PG students and leverage it for enhancing professional competence of the faculty members of the college. This policy promotes scientific temper of all teaching staff, build institutional funds and plans for facilitating participation in research activities. It also aims at ensuring the research activities of the college adhering to rules and regulations as well as to establish standards related to safe and ethical conduct of research.

Document of Research Promotion Policy mentioned above is herewith as an attachment.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2021/12/Research-Promotion-Policy_Revised.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2021/12/Research-Promotion-Policy_Revised.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

0.00

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

0

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

## 3.2 - Resource Mobilization for Research

### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

3.46

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.2.2 - Number of teachers having research projects during the year

5

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="#">Nil</a>
List of research projects during the year	<a href="#">View File</a>

### 3.2.3 - Number of teachers recognised as research guides

13

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

4

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="http://online-wosa.gov.in/wos">http://online-wosa.gov.in/wos</a> , <a href="https://www.nagpuruniversity.ac.in/index.php/otherdepartment/Contentpage/index/Ri9KbXF1MEpWUFpQWlZYTzZBPT0%3D/RlBraHZldFBTZnhTWlZjPQ%3D%3D/en">https://www.nagpuruniversity.ac.in/index.php/otherdepartment/Contentpage/index/Ri9KbXF1MEpWUFpQWlZYTzZBPT0%3D/RlBraHZldFBTZnhTWlZjPQ%3D%3D/en</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

The college has created an ecosystem for Research and Innovation entitled as Research Innovation Curricular Hours (RICH) Club

**Research Innovation Curricular Hours (RICH) Club**

The main objective of "Research Innovation Curricular Hour" (RICH) Club is to promote proformed academic ecosystem among the students and to motivate them to think on novel ideas.

It is expected that the activities under this banner should be driven by the students for the benefit of the students to inculcate innovative qualities among the students. These activities may include workshops, seminars, quizzes, debate competition, group-discussion, talks of eminent speakers etc.

These activities will be carried out in collaboration with the respective departments.

In all 37 UG & PG students have been selected as functional group members in the core body of RICH club one from each class. There is one teacher mentor from each department to monitor and facilitate the activities.

This RICH Club would remain functional throughout the year under the umbrella of Research Promotion Cell.

Further details of the club and url on website are mentioned herewith as an attachment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year**

19

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4 - Research Publications and Awards**

<b>3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software</b>	<b>B. Any 3 of the above</b>
---	------------------------------

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year**

**3.4.2.1 - Number of PhD students registered during the year**

2

File Description	Documents
URL to the research page on HEI website	<a href="http://jbsw.shikshamandal.org/?page_id=315">http://jbsw.shikshamandal.org/?page_id=315</a> 2
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**

6

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year****16**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<b>Nil</b>

**3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed****3.4.5.1 - Total number of Citations in Scopus during the year****56**

File Description	Documents
Any additional information	<b>No File Uploaded</b>
Bibliometrics of the publications during the year	<a href="#">View File</a>

**3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University****3.4.6.1 - h-index of Scopus during the year****8**

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>

**3.5 - Consultancy****3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)****0.32200**



File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0.00

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Various extension activities are carried out in order to inculcate different qualities among students which are essential for holistic development of students. Several programmes with possible outcomes are mentioned herewith as an attachment.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

**3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year**

00

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

**3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)**

21

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**

696

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.7 - Collaboration****3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

4

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

6

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

The college has a sprawling 37.55 acres of green campus with a built-up area of 12233.60 sq. m comprising classrooms, laboratories, administrative office and playgrounds. The college has developed adequate infrastructure facilities by getting various grants viz., UGC (CPE), DBT-Star, RUSA. The management takes keen interest in enhancement of infrastructure. Institute has a heritage building 'Gandhi Memorial Hall'. There are sufficient number of classrooms wherein 18 classrooms are equipped with ICT facilities. Institute has departments of Botany, Zoology, Microbiology, Bio-technology, Chemistry, Physics, Mathematics, Electronics, Computer science and Languages. Departments have laboratories, computers, departmental library, Plant tissue culture laboratory, animal tissue culture laboratory and Museums. There is a centralized instrumentation center with sophisticated instruments like XRD, FT-IR, UV-Visible Spectrophotometer, PCR, Gel Documentation system, Flame photometer. The institution has two research centers in Chemistry and Botany recognized by R.T.M. Nagpur University. Library building of the institute has digital access center, LAN, internet, INFLIBNET, Mastersoft software, reprography facilities. The college has Wi-Fi enabled campus with 167 computers. Administrative building has 17 network computers of latest technology. The college has hostel facilities for Girls, Boys 05 staff quarters and a guest house.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

To promote interest in sports and cultural events, the college encourages students by providing adequate budget and resources.

#### Facilities for sport activities-

The college has sports grounds and facilities for Indoor games like badminton, table tennis, chess, carrom and the outdoor games like football, basketball, volleyball, softball, baseball, handball, athletics, kabaddi, kho-kho, ball badminton, Net ball, Lawn tennis, Sepak takraw, Archery.

The college also has Gymnasium (Health club) equipped with multi gym unit, Mechanical jogger, belt vibrator, bench press, adjustable bench, abdominal board with ladder, smith machine, leg extension and leg curl, wrist conditioner, dumbbells, rebounder exerciser, rowing arm cycle, massage roller etc. for students.

#### Facilities for the promotion of Cultural Activities:

- The institute has Kala Niketan (Open theater) in the campus for arranging cultural events.
- The institute provides sound system, music system, light system and various allied equipment during cultural programs.
- Every year students organize cultural event like Gathering, Fresher's day, Farewell programs as well as other cultural programs.
- The students of the college are encouraged to participate in various intercollegiate competitions and also have won prizes in the same.
- The college publishes annual magazine. Student members of magazine committee along with the coordinator look after the magazine activity.
- Adequate funds are provided by the institution for the cultural activities.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

22

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

67.41

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 4.2 - Library as a Learning Resource

##### 4.2.1 - Library is automated using Integrated Library Management System (ILMS)

•Dr. Damle Library is committed to fulfilling its mission by acquiring the requisite information and documents to cater to the needs of its borrowers to help them in achieving excellence in teaching and learning.

•The Library is fully automated since 2008 with the LibTECH software and updated with LIBMAN ILMS software in 2020 with web

**OPAC.**

•Maximum 02 books can be issued at a time by the UG students. Research scholars and PG students can issue a maximum 04 books at a time. This access to the books is for 10 days and the students can renew it if required. The books are classified according to Dewey Decimal Classification Scheme (DDC 22nd edition).

•To ensure the smooth FUNCTIONING of Library functions, a library committee has been formed under the chairmanship of the Principal, the Librarian as a member secretary, and heads or coordinators of the UG-PG departments act as members.

•Library follows refined and transparent book selection policy for collection of the books.

•Books on other subjects like biographies, autobiographies, novels, etc. are also purchased.

•Books recommended by the staff and students are purchased on a priority basis.

•The college library has its own website and Web OPAC.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://libcloud.mastersofterp.in/OPACNEW?Library=Bajaj%20College%20of%20Science">https://libcloud.mastersofterp.in/OPACNEW?Library=Bajaj%20College%20of%20Science</a>

**4.2.2 - Institution has access to the following:**  
**e-journals e-ShodhSindhu Shodhganga**  
**Membership e-books Databases Remote**  
**access to e-resources**

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)****3.37**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)****4.2.4.1 - Number of teachers and students using the library per day during the year****160**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	No File Uploaded

**4.3 - IT Infrastructure**

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

•The college has been continuously taking efforts to improve IT infrastructure and to make it available for students and faculties.

•The college has developed a dedicated ICT center to cater to the needs of students and faculties. This center has 45 desktop computers of latest configuration, which are connected in high speed LAN. This center also has the facility of Language laboratory where regular practical sessions are arranged for the students.

•In the academic session 2021-22, a total number of computers for students was 167.

•The college has total 07 independent Internet connections with 100 MBPS.

•The college has cyber security

•IT facilities are estimated by the management and provided to the college as per the requirement.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	Nil

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
1026	167

File Description	Documents
Upload any additional information	<a href="#">View File</a>

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

E. None of the above



File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

52.78

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	No File Uploaded

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities – classrooms, laboratory, library, sports complex, computers, etc.

##### Maintenance of Physical and academic facilities

- Stock checking of all the equipment, instruments, glass-ware, specimens and computing devices etc. is done in all the departments annually and details are given to the college office for the further action.
- For any kind of maintenance or repair, the laboratory staff in-charge reports to the head of the department and it is forwarded to the Principal and the repair work is carried out by the concerned servicing agency.
- The instruments and equipment are maintained by the suppliers from whom they are purchased, in case of any services are required.
- Maintenance staff is responsible for maintenance related to electrical, carpentry and painting etc., of the classrooms and the entire campus throughout the year and major repair works are carried out during summer vacation.
- Technical requirements and other infrastructure facilities are maintained regularly by electrical and technical maintenance team.
- Fire extinguishers and First Aid Kits are maintained

regularly and their refilling is done before the date of expiry.

- Cleaning and maintenance of class rooms, seminar halls, laboratories, staff rooms, library and corridors are done regularly on a daily basis by the supporting staff.
- Cleanliness and hygiene of wash rooms and the college campus are regularly maintained with the help of the outsourced cleaning staff.
- CCTV cameras have been installed at vantage points to ensure protection to the staff students.
- Proper functioning of LCD is checked on a regular basis by the trained technicians.
- Sensor based LED lights are installed at various places in college campus.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="http://jbsw.shikshamandal.org/wp-content/uploads/2020/11/Policy.pdf">http://jbsw.shikshamandal.org/wp-content/uploads/2020/11/Policy.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

824

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

**C. Any 2 of the above**

File Description	Documents
Link to Institutional website	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/08/Best-Practices-2021-22.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/08/Best-Practices-2021-22.pdf</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

**1220**

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students'**

**B. Any 3 of the above**

**grievances Timely redressal of grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	No File Uploaded

**5.2 - Student Progression**
**5.2.1 - Number of outgoing students who got placement during the year**
**32**

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

**5.2.2 - Number of outgoing students progressing to higher education**
**63**

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	No File Uploaded

**5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**
**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year**

12

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

03

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

Student council has to be formed as per the directions of affiliated University but from last two years there were no directions floated by RTM Nagpur University, hence Student Council in the college is given an alternative name RICH Club (Research Innovation Curriculum Hour). The objective of RICH Club is to promote performed academic ecosystem among the students and to motivate them to think on novel ideas. The activities under this banner are driven by the students for the benefit of the students to inculcate innovative qualities among the students. These activities include workshops, seminars, quizzes, debate competition, group-discussion, organizing talks of eminent speakers, etc. These activities are carried out in collaboration with the respective departments. In all 37 UG and PG students are selected as a functional group member in the core body of RICH one from each class. Apart from the RICH Club, students are actively involved in the administrative bodies of College Development Committee (CDC), Internal Quality Assurance Cell (IQAC), and different departmental societies like, Botanical Society, Chemical Society, Microbiology and Biotechnology Society, Zoological Society, etc. Students are actively represented in college committees, College magazine committee, NSS, NCC, Astro-club, Sports committee, Women cell-Internal complaints committee-Sexual

**Harassment Committee- Prevention, Prohibition and Redressal, Anti-ragging committee, etc.**

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

03

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

Alumni Association of Bajaj College of Science, Wardha acts as a bridge to help alumni of the institution maintain connections with fellow graduates. The objective is to interact with the alumni, plan future activities, discuss alumni contributions to the college, etc. The objectives of the association are to plan, organize and coordinate alumni association activities and develop sustainability plan. It provides opportunities for the students like internships and training to connect present students with the professional world. The association often organizes social events, conducts social welfare activities like blood donation camp, health awareness programs, tree plantation, cleanliness drive, etc. to enlighten the members about the statute of BCS, Wardha.

It had been discussed to conduct regular quarterly meetings of alumni association. We are in constant touch with our valuable alumni, and they are always positive and willing to contribute and work with us in all possible manner.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

#### 5.4.2 - Alumni's financial contribution during the year

E. <2 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Institutions's governance is based on discipline, commitment & honesty to provide the best science education to produce well-educated, socially conscious students with good values. Institution runs on participatory management & decentralized academic and administrative work. The Principal enshoulders following responsibilities :

§Administrative & Financial responsibility

§Supervise curricular and extension activities

§Promoting Research activity

§Maintenance and development of Infrastructure

§Acts as a link among college, affiliating university, government, UGC & community.

All heads, conveners, office superintendent assist him for routine functioning of the college. Being autonomous, the principal heads the governing body, chairs academic council and finance committee. Management policies, e-governance & principal's decisions are executed by all to carry out curricular & extension activities. College Development Committee is there to monitor it.

## Perspective Plan

The college and its visionary management has perspective plan that includes building infrastructure, enhancing additional facilities, introducing new subjects in UG & PG courses, etc. as per as the societal and students' needs.

§Promotion of research culture for maximum research publication.

§Networking with UGC, DST, DBT, CSIR, etc.

§Mobilization of resources.

§Administrative reforms

§To identify research collaboration with national and international laboratories

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://jbsw.shikshamandal.org/about-us/">https://jbsw.shikshamandal.org/about-us/</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Being an autonomous institution, decentralization and participative management in academic & administrative work are inevitable. Institute follows-

A. Examination decentralization and participation

B. Administrative decentralization and participation.

For A part, a faculty has been appointed as the "Director, Board of Examinations and Evaluation" who monitors all examination related activities as question paper setting, valuation and moderation, etc. Besides, Board of Studies is there for every subject wherein various heads of departments act as a chairman and remaining faculties as members of BOS. They frame curriculum, question paper, pattern and assign outsourced or in-housed faculties for various activities like setting, valuation, and moderation.



For B part, the Principal of the college needs to administer various extension activities such as conferences and seminars, programs on women empowerment, gender sensitization, cleanliness, etc., the extension activities like National Service Scheme , National Cadet Corps , Centre for Women Studies and Services , Population Education Club , etc.

Furthermore, field trips, exhibitions of academic achievements, debates, discussions are organized. There are co-curricular activities like academic societies such as Chemical Society, Zoological Society, etc. Moreover, many healthy practices are going on such as Training & Placement cell, etc.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/02/Strategic-Plan-2017-2022.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/02/Strategic-Plan-2017-2022.pdf</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

- All perspective plans of the college are implemented through various committees by allotting work to teaching and non-teaching.
- Academics are achieved through curriculum development as per the local and global needs.
- Faculty development is done through training of teaching and nonteaching staff & Skill development by introducing certificate courses.
- Use of ICT for effective teaching learning. Project and research for skill development.
- Training and placement cell help them to get placed.
- College tries to give its best possible, hence is recognized as

one of the best science colleges in surveys of reputed magazines.

•National seminars (Innervate), state seminars (Scintillation), conferences, workshops are regularly organized.

•Research committee encourages staff for research; students for projects, M.Phil. and Ph.D. .

• In order to promote research and boost interest in science research, the promotion committee has introduced projects in UG.

The aim of this program is to :

- increase interaction with students
- increase interest in science
- inculcate confidence in students
- provide exposure for their all-round development

•Working :

•Graduate students are introduced to the basics of research by introducing projects in curriculum.

•Outcomes :

•Students are allotted small topics on which they work for a year and then submit the reports, due to this practice, number of students moving for higher studies and research has increased.

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/02/Strategic-Plan-2017-2022.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/02/Strategic-Plan-2017-2022.pdf</a>
Upload any additional information	No File Uploaded

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative set-up, appointment and service rules, procedures, etc.

As per the rules of Autonomous college, the statutory and non-statutory committees, as well as other committees, are formed as per the need and college rules. These committees are chaired by the Principal of the college and co-ordinators and team (consisting of teaching and non-teaching staff as members) to execute the work. In some of the committees, students are also there as active members. The college also has a college development committee and staff council for the review and planning of the college development. All the committees are formed for two to three years and displayed on the staff notice board. Following the guidelines, the working of all the committees is executed. In this way, the administrative and college work is executed as per the procedure.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/02/Organogram-of-Bajaj-College-of-Science.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/02/Organogram-of-Bajaj-College-of-Science.pdf</a>
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="#">Nil</a>

### 6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	No File Uploaded
Screen shots of user interfaces	No File Uploaded
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	No File Uploaded

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

•Staff Council is established by the teaching staff members and is

headed by the Principal wherein issues related to the administration and policies are discussed. The faculty on his superannuation is felicitated by the council. The new appointees are introduced. The corpus fund is generated from the teaching staff. Staff is felicitated for research and other academic achievements.

•Non-teaching Association: It is affiliated to Vidarbha Vibhagiya Mahavidhyalayin Shikshetar Karmachari Sanghatna). The successful and meritorious students of the staff are motivated by felicitating them.

•Cooperative society: A cooperative society has been established to help the staff financially. The loan upto Rs. 9 lakhs and emergency loan facility is also available.

. •Group insurance: This facility is available for all the staff members.

•Provident Fund: Regular contribution towards the Employee Provident Fund by management.

•Facilities like wheelchair, separate retiring room for women staff, common recreational room and canteen for all the staff, air coolers, water coolers, purifiers & first aid box are available.

• Residential quarters for the teaching and nonteaching staff in the campus are available .

• Research Promotion cell promotes research among staff. The library has enriched collections of books and journals. All the laboratories have been enriched with good instrumentation. The facility of Central Instrumentation Laboratory is available on the campus.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

**6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year**

0

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

03

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

15

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

Various grant-in- aid and non-grant graduate and postgraduate science programmes (courses) are run by the college. Internal Auditor appointed by the parent organization -Shiksha Mandal, Shri Rajendra Bhutada, carries out annual budget on regular basis. The deficiencies in the budget are resolved immediately by the college

time to time. The grant received from UGC to the college through various projects is disbursed properly and the Utilisation Certificate for the same is submitted within due date. The grant received from the Government (DBT) to the college is too disbursed properly and its Utilisation Certificate is submitted within stipulated time-frame. As the Joint Director, Higher Education ,Nagpur conducts External Audit of the grant-in-aid colleges as per their audit plan and timetable, the college has undergone the same in the academic session 2010-11. The report of this audit is available in the college. The deficiencies in the budget are resolved immediately by the college within time. External audit of UGC-CPE and RUSA grant is also done through CAG. The queries in the budget are resolved by the college within time.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">nil</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

17000

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The fee of the grant-in-aid courses is regulated as per the University norms.. Only students belonging to open categories need to pay admission fees. The scholarship-recipient students are exempted from the college fees, The Budget of Expenses is prepared and it is passed annually by College Development Committee (CDC) finance committee and governing body(Autonomy). Laboratory maintenance fund is disbursed to each Department. The university-approved non-grant, self-financed post-graduate courses are also run by the college. Their fees are too governed and regulated by

the University. The students avail Government of India (GOI) scholarship. The college receives grants from UGC and Government through various schemes such as UGC's XI and XII five-year plan, Additional Assistance, CPE, BSR, Building fund, Major and Minor Research Project, and Government's DBT Star College Scheme. A Purchase Committee has been established in the college which purchases various recurring and non-recurring items. Students are motivated for various projects and additional laboratory tools are purchased during the process. The thrust is on society-oriented research. Tender notices are given and quotations are called for the purchase. Recurring and non-recurring expenditure is timely disbursed. An audit of every purchase is carried out compulsorily. All the utilization certificates are sent to the concerned authority within due dates.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	<a href="#">nil</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

Incremental improvements are made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles) As a post-accreditation initiative, the faculties are kept updated on the compliances received from NAAC after the accreditation process. Timely AQAR data submission through IQAC is being carried out. The college received Autonomous status from 2017-18. Construction of new buildings was carried out for the department of chemistry and physics. A new course was started - M.Sc. in Mathematics New certificate courses and new skill- enhancement courses were introduced. Continued Projects at UG and PG level; due to COVID -19 students were asked to do an online survey or paper review. The syllabus was modified as per the need of students so that they could compete in the competitive world.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="#">NIL</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

•For the effective teaching-learning process; the classrooms were made Wi-Fi & ICT facilities enabled.

•Time table is distributed to the respective departments and timetable and workload distribution of the department is done by the respective heads. The departmental Teaching plan is made by respective staff and a review of teaching-learning is taken by the heads of departments from time to time.

•Departmental teaching plan is also reviewed by the Principal and management from time to time. Looking into the scenario of COVID -19 teaching had been done through online mode and is moulded from time to time as per the need; i.e. video lectures, recorded lectures via OBS, Zoom meetings, etc. Learning outcome was also analyzed through attendance, tests, quizzes, assignments using popular LMS.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

**A. Any 4 or all of the above**



File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/IQAC-Meetings-2021-22-1.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/09/IQAC-Meetings-2021-22-1.pdf</a>
Upload e-copies of accreditations and certification	No File Uploaded
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

#### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Our institution reassured inclusive representation of women in all the important Committees of the institute for making vital decisions. Center for Women Studies and Services (CWSS) Committee of the college promoted active participation of women in all aspects and resolved issues pertaining to women. Internal Complaint Committee (ICC) provided a platform for listening to complaints and redressal of grievances. Women's Grievance Redressal Cell resolved issues regarding gender inequality and sexual harassment. Various activities have been carried out like guest lectures on gender sensitization, provide counselling services to individuals in emotional and psychological distress, sexual orientation, and other issues. College has a separate women wing of NCC. The Centre for Women Studies and Services (CWSS), Bajaj College of Science, Wardha organized a debate competition for under-graduate and post-graduate students to celebrate International Women's Day. About six different topics were given to the students viz. Gender Equality: In homes and society; Dowry system in 21st Century India: Is the trend really changing? ; Women Empowerment: Is the Society ready?; Challenges for Working Women: Balancing home and work; Are Women Better Leaders?, and Property Rights for Women. Different topics were given to bring awareness amongst the students related to various women issues.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/Gender-Sensitization-Action-Plan-2021-22.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/Gender-Sensitization-Action-Plan-2021-22.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

**A. Any 4 or All of the above**

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<b>No File Uploaded</b>

**7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)**

Waste is generated from several facilities of college, including offices, laboratories, cafeteria, etc. The college has always been attentive in making the campus eco-friendly through promotion, preservation, and protection. The college has established an integrated sustainable waste management approach to minimize waste production and provides benefits through scientific waste management. Dry waste stored at a transfer station within the campus. The wet waste developed in canteen and hostel is dumped in compost pits for manure generation. Solid waste such as damaged furniture were reused to make racks and keeps as required. The chemical wastes generated in the laboratories are neutralized by water before releasing in the main sewer. A specialized treatment unit of laboratory sewage is under construction. The biodegradable waste plant litter, waste papers, fallen leaves and branches, are dumped in the compost pit, and covered with a layer of dung, which after a period of 4-5 months is converted to organic manure. This manure is used as fertilizer for plants in Botanical Garden and campus. Wastewater from urinals, bathrooms, etc. is disposed in the pits in the campus which is then taken away by the Nagar Parishad authorities once in a month. Wood Waste/furniture is utilized for making new tables.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

**7.1.6 - Quality audits on environment and energy undertaken by the institution**

<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>D. Any 1 of the above</b></p>										
<table> <tr> <th data-bbox="86 689 539 757">File Description</th><th data-bbox="539 689 1439 757">Documents</th></tr> <tr> <td data-bbox="86 757 539 898">Reports on environment and energy audits submitted by the auditing agency</td><td data-bbox="539 757 1439 898">No File Uploaded</td></tr> <tr> <td data-bbox="86 898 539 1003">Certification by the auditing agency</td><td data-bbox="539 898 1439 1003">No File Uploaded</td></tr> <tr> <td data-bbox="86 1003 539 1108">Certificates of the awards received</td><td data-bbox="539 1003 1439 1108">No File Uploaded</td></tr> <tr> <td data-bbox="86 1108 539 1169">Any other relevant information</td><td data-bbox="539 1108 1439 1169"><a href="#">View File</a></td></tr> </table>	File Description	Documents	Reports on environment and energy audits submitted by the auditing agency	No File Uploaded	Certification by the auditing agency	No File Uploaded	Certificates of the awards received	No File Uploaded	Any other relevant information	<a href="#">View File</a>	
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Reports on environment and energy audits submitted by the auditing agency	No File Uploaded										
Certification by the auditing agency	No File Uploaded										
Certificates of the awards received	No File Uploaded										
Any other relevant information	<a href="#">View File</a>										
<p><b>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</b></p>	<p><b>B. Any 3 of the above</b></p>										

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).

Shiksha Mandal is a century-old institution based at Wardha, the undeclared capital of pre-independence India. Founded by Shri Jammalal Bajaj, it was deeply influenced by the freedom struggle and Gandhiji. One of our main purposes is to provide equal opportunity and an inclusive environment. The majority of the admitted pupils are from Wardha district's interior, with more girls than boys. No meritorious student is denied admission for his/her lack of financial resources. Full scholarships were provided to them. Special efforts were made for such students to help them realize their potential. English and computer-specific special courses were created to help them improve their communication abilities. Due to the institution's status as a minority, hiring decisions of human resources are made exclusively on the basis of merit, with consideration given to all religions. Students from all religions with special attention to gender equity are admitted and entertained for all possible kinds of exposure for holistic development. A strong tradition of National Service Scheme, National Cadet Corps, Sports and Extra-Curricular activities exists. During the yearly event, students were invited to exhibit their culture through various programmes.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

Founded by Shri Jamnalal Bajaj, our institute is deeply influenced by the freedom struggle and Gandhiji. Our commitment to social justice as a value of the Indian Constitution through the meticulous implementation of admission procedures at entry point and the scholarship, fellowship and freeship schemes of the government from time to time. The teaching and non-teaching staff bear an attitude sustaining the spirit of inclusion in all their dealings with each other as well as with the students. Internal complaint cell monitors the grievances of the students. Implementing the Policy relating to discipline, preventing sexual harassment, addressing complaints from the aggrieved, and suggesting actions to be taken are the main responsibilities of the Internal Complaints Committee. We consider plagiarism in the form of knowingly or unknowingly publish or presenting other's work as their own to be a serious academic offense. Depending upon intentional or unintentional plagiarism and the severity of the case, offenders may be punished. Punishment or such academic dishonesty extend to failing their degree, temporary suspension or expulsion from further study. All work in the form of research reports, research papers and other publications submitted by students is accepted on the understanding that it is the student's own effort and their writing.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

**B. Any 3 of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Most significant national days and festivals were observed with tradition. The national flag was raised on Independence Day, Republic Day, and Maharashtra Din (1st May) to mark each occasion. The Cultural Committee has arranged a number of events in conjunction with the Azadi ka Amrit Mahotsav, including competitions for patriotic songs, rangoli, and other projects. To encourage cleanliness and the ideals taught by Gandhiji, Gandhi Jayanti was observed with full enthusiasm. Since it is a Gandhian Institute, the anniversary of the passing of Rashtapita Mahatma Gandhi (Martyrs Day) was organized to commemorate the principles of non violence. On September 5, "Teachers Day," which commemorates the birth anniversary of Dr. Sarvapalli Radhakrishnan, was observed. Students felicitated the teachers and demonstrated their appreciation by planning an unique celebration for them. In addition to these, BCS also organised events to highlight the messages on social media platforms, internal digital groups related to these days on various occasions, such as National Science Day, National Mathematics Day, International Yoga Day, Human Rights Day, International Women's Day, World Environment Day, Voter's Day, World Health Day, NCC Day, Hindi Diwas, and Marathi Bhasha Diwas etc.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

During 2021-22, college adopted number of practices related to co-curricular, extra-curricular and outreach programmes. To promote skill-oriented learning, IIC cell of the college has organized number of virtual sessions which was made open to all through our YouTube channel. Along with ongoing activities, we have initiated one unique vaccination drive for the students and staffs of our institute. A workshop on fire safety was scheduled in association with the team of Fire Brigade, Nagar Parishad, Wardha where hands-on-training on fire safety was also given to the students and staffs.

### Best Practice 1

**Title:** Spoken Tutorial of IIT Mumbai: Learning Free and Open-Source Software (FOSS) online.

#### Goals:

- To empower students with new software skills besides regular academic curriculum.
- To expose the students to market driven learning ecosystems.

### Best Practice 2

**Title of the Practice:** Computer Awareness Course

#### Goal:

- To impart basic computer skills to all the B.Sc. First year students of the college.



- To inculcate skills for students in handling the computers related to their academics.
- To make them familiar with the cyber space.

Details as per the prescribed format is mentioned in the weblink : <https://jbsw.shikshamandal.org/wp-content/uploads/2022/08/Best-Practices-2021-22.pdf>

File Description	Documents
Best practices in the Institutional website	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/Best-Practices-2021-22-1.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/10/Best-Practices-2021-22-1.pdf</a>
Any other relevant information	Nil

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

**Title of the practice: Facilitating Young Minds for Science Education**

College is mentoring a sister institute Bajaj Science Education Center since 2017 located nearby to the institute where around 500 school students across the Wardha district are getting trained for experiential learning practices in science and mathematics. Center strives to nurture creativity and innovation through hands-on experimentation, which is largely missing in school curricula. It does this through laboratory sessions held in five laboratories, each dedicated to a different branch of science. Center has its own academic and administrative structure with permanent staffs. Dr. Govinda Lakhotiya from department of Physics lead the team as honorary director for academic planning of the center. Other faculties of the college have given their honorary services to mentor our students for different reputed competitive exams. Resource persons from esteemed institutes of the country were also invited to conduct online sessions/workshops for students. Students participated in different National level competitions and have brought laurels in some of these competitions. One 8th grade student has published his project work in the International Journal of high school. Centre has also hosted one week camp for the academic committee of International Junior Science Olympiad on request of International Olympiad foundation (UAE). Along with

this, faculties of the college have also provided academic support to 14 selected Zilha Parishad schools of the district through the center for different training programmes.

File Description	Documents
Appropriate link in the institutional website	<a href="https://jbsw.shikshamandal.org/wp-content/uploads/2022/08/Institute-Distinctiveness-2021-22.pdf">https://jbsw.shikshamandal.org/wp-content/uploads/2022/08/Institute-Distinctiveness-2021-22.pdf</a>
Any other relevant information	<a href="#">View File</a>

### 7.3.2 - Plan of action for the next academic year

Following practices would be the priority in the next academic year:

- Certification of green and energy audits from the auditing agency
- Installation of more sensors based energy saving equipments
- MOU with the agency for E-waste management
- Initiatives to increase the usage of bicycles or battery powered vehicles by faculties and students
- Promotion of alternatives of plastic